1O Implement ApproximatePatternCount

Approximate Pattern Count Problem
Count all approximate occurrences of a pattern in a string.

Input: Strings *Pattern* and *Text* as well as an integer d.
Output: $\text{COUNT}_d(Text, Pattern)$.

```
CGACTAGTTT
CGACGA
1    2
```

Formatting

Input: A DNA string *Pattern* followed by a DNA string *Text*, followed by an integer d.
Output: A single integer $\text{COUNT}_d(Text, Pattern)$.

Constraints

- The length of *Pattern* will be between 1 and 10^1.
- The length of *Text* will be between 1 and 10^3
- The integer d will be between 1 and 10^1.
- Both *Pattern Text* and will be DNA strings.

Test Cases

Case 1

Description: The sample dataset is not actually run on your code.

Input:

```
GAGG
TTTAGAGCCTTCAGAGG
2
```

Output:

```
4
```

Case 2

Description: A larger dataset of the same size as that provided by the randomized autograder. Check input/output folders for this dataset.